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DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHOD AND FORMULATION FOR LYOPHILIZING CULTURED HUMAN CELLS TO PRESERVE RNA AND DNA CONTAINED IN CELLS FOR USE IN MOLECULAR BIOLOGY EXPERIMENTS** the specification of which _____ is attached hereto or X was filed on : June 27, 1997 as Application No. 08/884,029 and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes _____ No _____
			Yes _____ No _____

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status
		____ Patented ____ Pending ____ Abandoned
		____ Patented ____ Pending ____ Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Kenneth A. Weber, Reg. No. 31,677
M. Henry Heines, Reg. No. 28,219
William B. Kezer, Reg. No. 37,369
Eugenia Garrett-Wackowski, Reg. No. 37,330

Send Correspondence to: Kenneth A. Weber TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero, Eighth Floor San Francisco, CA 94111-3834	Direct Telephone Calls to: (Name, Reg. No., telephone no.) Kenneth A. Weber Reg. No. 31,677 (415) 543-9600
--	--

Full Name of Inventor 1	Last Name LIN	First Name CHING-I	Middle Name or Initial PATSY	
Residence & Citizenship	City Hercules	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 148 Catalina Drive	City Hercules	State/Country California	Zip Code 94547
Full Name of Inventor 2	Last Name WALLACE	First Name ROBERT	Middle Name or Initial BRUCE	
Residence & Citizenship	City Greenbrae	State/Foreign Country California	Country of Citizenship Canada	
Post Office Address	Post Office Address 31 Via Cheparro	City Greenbrae	State/Country California	Zip Code 94904
Full Name of Inventor 3	Last Name COSSMAN	First Name JEFFREY	Middle Name or Initial	
Residence & Citizenship	City Potomac	State/Foreign Country Maryland	Country of Citizenship United States	
Post Office Address	Post Office Address 11603 Glynshire Court	City Potomac	State/Country Maryland	Zip Code 20854
Full Name of Inventor 4	Last Name FRENCH	First Name CYNTHIA	Middle Name or Initial	
Residence & Citizenship	City Irvine	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 14 Vigil Court	City Irvine	State/Country California	Zip Code 92612

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 <i>Ching-I Patsy Lin</i> Ching-I Patsy Lin	Signature of Inventor 2 <i>Robert Bruce Wallace</i> Robert Bruce Wallace	Signature of Inventor 3 Jeffrey Cossman
Date <i>1/20/98</i>	Date <i>1/16/98</i>	Date
Signature of Inventor 4 Cynthia French		
Date		

Full Name of Inventor 1	Last Name LIN	First Name CHING-I	Middle Name or Initial PATSY	
Residence & Citizenship	City Hercules	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 148 Catalina Drive	City Hercules	State/Country California	Zip Code 94547
Full Name of Inventor 2	Last Name WALLACE	First Name ROBERT	Middle Name or Initial BRUCE	
Residence & Citizenship	City Greenbrae	State/Foreign Country California	Country of Citizenship Canada	
Post Office Address	Post Office Address 31 Via Cheparro	City Greenbrae	State/Country California	Zip Code 94904
Full Name of Inventor 3	Last Name COSSMAN	First Name JEFFREY	Middle Name or Initial	
Residence & Citizenship	City Potomac	State/Foreign Country Maryland	Country of Citizenship United States	
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Full Name of Inventor 4	Last Name FRENCH	First Name CYNTHIA	Middle Name or Initial	
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Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
Ching-I Patsy Lin	Robert Bruce Wallace	Jeffrey Cossman
Date	Date	Date 1/21/98
	Signature of Inventor 4	
	Cynthia French	
	Date	

Full Name of Inventor 1	Last Name LIN	First Name CHING-I	Middle Name or Initial PATSY	
Residence & Citizenship	City Hercules	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 148 Catalina Drive	City Hercules	State/Country California	Zip Code 94547
Full Name of Inventor 2	Last Name WALLACE	First Name ROBERT	Middle Name or Initial BRUCE	
Residence & Citizenship	City Greenbrae	State/Foreign Country California	Country of Citizenship Canada	
Post Office Address	Post Office Address 31 Via Cheparro	City Greenbrae	State/Country California	Zip Code 94904
Full Name of Inventor 3	Last Name COSSMAN	First Name JEFFREY	Middle Name or Initial	
Residence & Citizenship	City Potomac	State/Foreign Country Maryland	Country of Citizenship United States	
Post Office Address	Post Office Address 11603 Glynshire Court	City Potomac	State/Country Maryland	Zip Code 20854
Full Name of Inventor 4	Last Name FRENCH	First Name CYNTHIA	Middle Name or Initial	
Residence & Citizenship	City Irvine	State/Foreign Country California	Country of Citizenship United States	
Post Office Address	Post Office Address 14 Vigil Court	City Irvine	State/Country California	Zip Code 92612

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
Ching-I Patsy Lin	Robert Bruce Wallace	Jeffrey Cossman
Date	Date	Date
	Signature of Inventor 4 <i>Cynthia French</i> Cynthia French	
	Date 1/21/98	

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Assistant Commissioner for Patents,
Washington, D.C. 20231.

on March 18, 1998

TOWNSEND and TOWNSEND and CREW LLP

By Jennifer K. Hardin
Jennifer K. Hardin

PATENT

Attorney Docket No. 002558-059100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Lin et al.

Application No.: 08/884,029

Filed: June 27, 1997

For: METHOD AND FORMULATION
FOR LYOPHILIZING CULTURED
HUMAN CELLS TO PRESERVE
RNA AND DNA CONTAINED IN
CELLS FOR USE IN MOLECULAR
BIOLOGY EXPERIMENTS

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Examiner: Unassigned

Art Unit: 1815

APPOINTMENT OF ASSOCIATE
ATTORNEY UNDER 37 CFR § 1.34(b)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Under 37 CFR §1.34(b), applicants undersigned principal attorney of record appoints Annette S. Parent, Registration No. P-42,058 as an associate attorney to prosecute this case and to transact all business in the Patent and Trademark Office connected therewith.

Lin et al.

Application No.: 08/884,029

Page 2

The associate attorney's address and telephone number are as follows.

Townsend and Townsend and Crew
Address: Two Embarcadero Center, 8th Flr.
San Francisco, California
(415) 576-0200

Respectfully submitted,



Kenneth A. Weber
Reg. No. 31,677

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200 / Fax (415) 576-0300

TOWNSEND & TOWNSEND
& CREW



71 2558-0 5910045
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
ASP

MAY 27, 1998 98 JUN -5 AM 7:09 PTAS
TOWNSEND AND TOWNSEND AND CREW LLP
ANNETTE S. PARENT
TWO EMBARCADERO CENTER, 8TH FLOOR
SAN FRANCISCO, CALIFORNIA 94111-3834



100681288A

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RECORDATION DATE: 03/23/1998

REEL/FRAME: 9062/0667
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
LIN, CHING-I PATSY

DOC DATE: 02/05/1998

ASSIGNOR:
WALLACE, ROBERT BRUCE

DOC DATE: 02/06/1998

ASSIGNOR:
COSSMAN, JEFFREY

DOC DATE: 02/06/1998

ASSIGNOR:
FRENCH, CYNTHIA

DOC DATE: 03/03/1998

ASSIGNEE:
BIO-RAD LABORATORIES, INC.
1000 ALFRED NOBEL DRIVE
HERCULES, CALIFORNIA 94547

SERIAL NUMBER: 08884029
PATENT NUMBER:

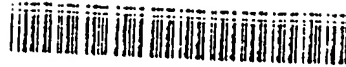
FILING DATE: 06/27/1997
ISSUE DATE:

9062/0667 PAGE 2

ANNIE HARRELL, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

04-07-1998

Jorney Docket No. 002558-059700

FORM PTO-1595
(Rev. 6-93)

100681288

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Ching-I Patsy Lin, Robert Bruce Wallace,
Jeffrey Cossman and Cynthia FrenchAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Bio-Rad Laboratories, Inc.

Internal Address:

Street Address: 1000 Alfred Nobel Drive

City: Hercules State: California ZIP: 94547

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: 2/5/98, 2/6/98, 2/6/98 and 3/3/98

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 08/884,029

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Annette S. Parent
TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-02006. Total number of applications and patents involved: ☐ 1

7. Total fee (37 CFR 3.41):..... \$ 40.00

- ☐ Enclosed ☒ Charge Fees to Deposit Account
☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account

8. Deposit account number: 20-1430

04/07/1998 SSHITH 00000158 201430 00004029
01 FC:531 40.00 CH

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Annette S. Parent
Name of Person Signing

Signature

Date

Atty. Reg. No. P-42,058

Total number of pages including cover sheet, attachments, and document: ☐ 610. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

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Box Assignments
Washington, D.C. 20231

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ching-I Patsy Lin, a citizen of the USA, residing at 148 Catalina Drive, Hercules, California, 94547; Robert Bruce Wallace, a citizen of USA (*formerly a citizen of Canada*), residing at 31 Via Cheparro, Greenbrae, California, 94904; Jeffrey Cossman, a USA citizen, residing at 11603 Glynshire Court, Potomac, Maryland, 20854; and Cynthia French a USA citizen, residing at 14 Vigil Court, Irvine, CA 92612, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of the Invention: **METHOD AND FORMULATION FOR LYOPHILIZING CULTURED HUMAN CELLS TO PRESERVE RNA AND DNA CONTAINED IN CELLS FOR USE IN MOLECULAR BIOLOGY EXPERIMENTS**

Date(s) of execution of Declaration: 1/20/98, 1/16/98, 1/21/98 and 1/21/98

Filing date: June 27, 1997 Serial No.: 08/884,029; and

WHEREAS, Bio-Rad Laboratories, Inc., a Delaware corporation, located at 1000 Alfred Nobel Drive, Hercules, California 94547, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Serial No. 08/884,029

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 2/5/98

Ching-I Patsy Lin
Ching-I Patsy Lin

STATE OF California

COUNTY OF Contra Costa

On February 5, 1998, before me, Monica J. Steele, Notary Public
(here insert name and title of the officer), personally appeared Ching-I Patsy Lin,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to
me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Monica J. Steele (Seal)



Serial No. 08/834,029

Date: 2/6/98

Robert Bruce Wallace
Robert Bruce Wallace

STATE OF California

COUNTY OF Contra Costa

On February 6, 1998, before me, Monica J. Steele, Notary Public
(here insert name and title of the officer), personally appeared Robert Bruce Wallace,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to
me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Monica J. Steele (Seal)



Date: _____
Jeffrey Cossman

STATE OF _____

COUNTY OF _____

On _____, before me, _____
(here insert name and title of the officer), personally appeared Jeffrey Cossman,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to
me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)

Serial No. 08/884,029

Date: _____ Robert Bruce Wallace

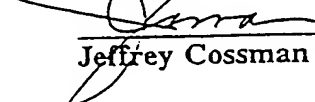
STATE OF _____

COUNTY OF _____

On _____, before me, _____
(here insert name and title of the officer), personally appeared Robert Bruce Wallace,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to
me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature _____ (Seal)

Date: 2-6-98 
Jeffrey Cossman

STATE OF Maryland

COUNTY OF Montgomery

On 2/6/98, before me, Young J. Ahn Notary public
(here insert name and title of the officer), personally appeared Jeffrey Cossman,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to
me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature  (Seal)

YOUNG J. AHN
NOTARY PUBLIC
State of Maryland

My Commission Expires October 10, 2000

Serial No. 03/884,029

Date: 3/3/98

Cynthia French
Cynthia French

STATE OF CALIFORNIA

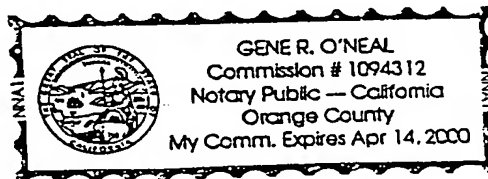
COUNTY OF ORANGE

On MARCH 3, 1998, before me, GENE R. O'NEAL, Notary Public
(here insert name and title of the officer), personally appeared Cynthia French, ~~personally~~
~~known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person(s)
whose name(s) is/are subscribed to the within instrument and acknowledged to me that
~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity(ies), and that by
~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which
the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature ~~Gene R. O'Neal~~ Gene R. O'Neal (Seal)

asp\ASSIGN\2558591.ASN



POWER OF ATTORNEY BY ASSIGNEE

Bio-Rad Laboratories, Inc. is the Assignee of the invention entitled: METHOD AND FORMULATION FOR LYOPHILIZING CULTURED HUMAN CELLS TO PRESERVE RNA AND DNA CONTAINED IN CELLS FOR USE IN MOLECULAR BIOLOGY EXPERIMENTS, the specification of which is attached hereto or X was filed on June 27, 1997 as Application Serial No. 08/884,029.

Assignee hereby appoints the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Kenneth A. Weber, Reg. No. 31,667
M. Henry Heines, Reg. No. 28,219
Eugenia G. Wackowski, Reg. No. 37,330
Jonathan Alan Quine, Reg. No. 41,261

Send Correspondence to:

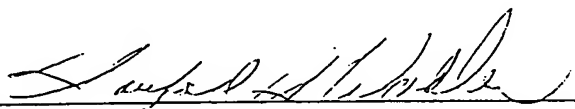
Kenneth A. Weber
TOWNSEND and TOWNSEND and CREW
One Market Plaza
Steuart Street Tower, 20th Floor
San Francisco, CA 94105

Direct Telephone Calls to:
(Name, reg. no., tele. no.)

Kenneth A. Weber, Esq.
Reg. No. 31,677
(415) 543-9600

Bio-Rad Laboratories, Inc.

Date: 1/7/98

By: 
(Signature)

Name: Sanford S. Wadler
Title: General Counsel

CERTIFICATE UNDER 37 C.F.R. § 1.76(b)

Applicant: Patsy Lin, et al.

Application No.: 08/884,029 Filed: June 27, 1997

For: METHOD AND FORMULATION FOR LYPOHILIZING CULTURED HUMAN CELLS TO PRESERVE RNA AND DNA CONTAINED IN CELLS FOR USE IN MOLECULAR BIOLOGY EXPERIMENTS

Bio-Rad Laboratories, Inc., a Delaware corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel ____, Frame(s) ____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel ____, Frame ____, or for which a copy thereof is attached.
2. From: _____ To: _____
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3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel ____, Frame ____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : Sanford S. Wadler

Name : Sanford S. Wadler

Title : General Counsel

Signature : 1/7/98